

A. CLASSII	FICATION OF SUBJECT MATTER C07K14/54 C12N15/11		
According to	International Patent Classification (IPC) or to both national classification	ion and IPC	
B. FIELDS	SEARCHED		
Minimum do	cumentation searched (classification system followed by classificatio C12N C07K	n symbols)	
Documentat	ion searched other than minimum documentation to the extent that su	ch documents are included in the fields searched	
Electronic d	ata base consulted during the international search (name of data bas	e and, where practical, search terms used)	
EPO-In	ternal, MEDLINE, EMBASE, BIOSIS, EMB	L , ´	
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Category*	Citation of document, with indication, where appropriate, of the rele	vant passages Re	elevant to claim No.
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X Furt	her documents are listed in the continuation of Box C.	X See patent family annex.	
	extendries of cited documents :	T later document published after the international	filing date
"A" docume	ent defining the general state of the art which is not dered to be of particular relevance	or priority date and not in conflict with the appli cited to understand the principle or theory under invention	
"E" eafler document but published on or after the international filling date "X" document of particular relevance; the			vention dered to
which	ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another	Involve an inventive step when the document is Y° document of particular relevance; the claimed in	taken alone evention
	n or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or means	cannot be considered to involve an inventive s document is combined with one or more other ments, such combination being obvious to a pre-	such docu-
"P" docume	ent published prior to the international filing date but nan the priority date claimed	in the art. & document member of the same patent family	i
Date of the	actual completion of the international search	Date of malling of the international search report	
2	4 January 2006	28 02. 2006	
Name and r	mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer	
	NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax. (+31-70) 340-3016	Strobel, A	

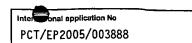
Form PCT/ISA/210 (second sheet) (April 2005)

page 1 of 3

Interional application No
PCT/EP2005/003888

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	SUTHERLAND ROBYN M ET AL: "Protective effect of CTLA4Ig secreted by transgenic fetal pancreas allografts" TRANSPLANTATION (BALTIMORE), vol. 69, no. 9, 15 May 2000 (2000-05-15), pages 1806-1812, XP009041013 ISSN: 0041-1337 abstract page 1807, left-hand column, paragraphs 1,4,6 - right-hand column, paragraph 3 KIM Y S ET AL: "IMMUNOGLOBULIN-CYTOKINE FUSION MOLECULES: THE NEW GENERATION OF IMMUNOMODULATING AGENTS" TRANSPLANTATION PROCEEDINGS, ORLANDO, FL, US, vol. 30, no. 8, 1998, pages 4031-4036, XP001031432 ISSN: 0041-1345 page 4035, left-hand column, paragraph 3 - right-hand column, paragraph 2; tables 2,3 WO 01/57242 A (AURORA BIOSCIENCES CORP; CUBITT ANDREW B (US); POLLOK BRIAN A (US); S) 9 August 2001 (2001-08-09) page 148 - page 149; example 10; sequence 53 WO 02/38766 A (ZYMOGENETICS INC) 16 May 2002 (2002-05-16) sequence 17 WO 03/087320 A (MOLL THOMAS; STROM TERRY B (US); ZHENG XIN XIAO (US); BETH ISRAEL HOS) 23 October 2003 (2003-10-23) page 33, line 25 - page 34, line 10; sequence 13 EP 1 554 307 A (F. HOFFMANN-LA ROCHE AG) 20 July 2005 (2005-07-20) the whole document FERRARI-LACRAZ SYLVIE ET AL: "Targeting IL-15 receptor-bearing cells with an antagonist mutant IL-15/Fc protein prevents disease development and progression in murine collagen-induced arthritis" JOURNAL OF IMMUNOLOGY, vol. 173, no. 9, 1 November 2004 (2004-11-01), pages 5818-5826, XP002345721 ISSN: 0022-1767	SUTHERLAND ROBYN M ET AL: "Protective effect of CTLA4Ig secreted by transgenic fetal pancreas allografts" TRANSPLANTATION (BALTIMORE), vol. 69, no. 9, 15 May 2000 (2000-05-15), pages 1806-1812, XP009041013 ISSN: 0041-1337 abstract page 1807, left-hand column, paragraphs 1,4,6 - right-hand column, paragraph 3 KIM Y S ET AL: "IMMUNOGLOBULIN-CYTOKINE FUSION MOLECULES: THE NEW GENERATION OF IMMUNOMODULATING AGENTS" TRANSPLANTATION PROCEEDINGS, ORLANDO, FL, US, vol. 30, no. 8, 1998, pages 4031-4036, XP001031432 ISSN: 0041-1345 page 4035, left-hand column, paragraph 3 - right-hand column, paragraph 2; tables 2,3 WO 01/57242 A (AURORA BIOSCIENCES CORP; CUBITT ANDREW B (US); POLLOK BRIAN A (US); S) 9 August 2001 (2001-08-09) page 148 - page 149; example 10; sequence 53 WO 02/38766 A (ZYMOGENETICS INC) 16 May 2002 (2002-05-16) sequence 17 WO 03/087320 A (MOLL THOMAS; STROM TERRY B (US); ZHENG XIN XIAO (US); BETH ISRAEL HOS) 23 October 2003 (2003-10-23) page 33, line 25 - page 34, line 10; sequence 13 EP 1 554 307 A (F. HOFFMANN-LA ROCHE AG) 20 July 2005 (2005-07-20) the whole document FERRARI-LACRAZ SYLVIE ET AL: "Targeting IL-15 receptor-bearing cells with an antagonist mutant IL-15/Fc protein prevents disease development and progression in murine collagen-induced arthritis" JOURNAL OF IMMUNOLOGY, vol. 173, no. 9, 1 November 2004 (2004-11-01), pages 5818-5826, XP002345721 ISSN: 0022-1767

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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 977 318 A (LINSLEY ET AL) 2 November 1999 (1999-11-02) column 7, line 18 - line 35 column 10, line 44 - line 55	19,20
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International application No. PCT/EP2005/003888

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No. III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
1. X As all required additional search fees were timely paid by the applicant, this international search report covers allsearchable claims.
2. As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
As only some of the required additional search fees were timely paid by the applicant, this international search reportcovers only those claims for which fees were pald, specifically claims Nos.:
No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee. The additional search fees were accompanied by the applicant's protest but the applicable protest
fee was not paid within the time limit specified in the invitation.
No protest accompanied the payment of additional search fees.

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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-18

Expression system comprising one or several nucleic acids that comprise $% \left(1\right) =\left(1\right) \left(1\right) +\left(1\right) \left(1\right) \left(1\right) +\left(1\right) \left(1\right)$

a) at least one nucleic acid for a IL-15/Fc fusion protein

b) at least one promoter

- and c) at least one nucleic acid for a CD5 leader
- 2. claims: 19, 20

Use of a CD5 leader for the expression of a protein in CHO cells and their derivatives, in particular CHO-K1 cells.

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Internal application No PCT/EP2005/003888

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